

WHAT IS CLAIMED IS:

1. A coffee brewer, comprising:
 - a brewer housing;
 - a hot water reservoir carried by said housing;
 - first means for coupling said reservoir to a water supply;
 - a spray head carried by said housing;
 - second means for coupling said reservoir to said spray head;
 - a brew basket for receiving a quantity of ground coffee and removably carried by said housing for receiving hot water from said spray head to produce brewed coffee for drip flow dispensing from said brew basket into an underlying, upwardly open decanter; and
 - a controller including a user-accessible control panel for operating the coffee brewer, and a memory logic;
 - said controller including a set up calibration mode having calibration means for initiating water flow from said reservoir and through said spray head for dispensing into an underlying upwardly open vessel, and for terminating said water flow when a selected volume of water has been dispensed into the receptacle, and for storing said selected volume of water in said memory logic;
 - said controller further including a normal operation mode having brew cycle means for dispensing said selected volume of water from said reservoir and through said spray head to produce brewed coffee.
2. The coffee brewer of claim 1 wherein said brewer housing comprises an upstanding rear section having said hot water reservoir mounted therein, a head section protruding forwardly from an upper end of said rear section and having said spray head mounted thereon for dispensing hot water downwardly therefrom.
3. The coffee brewer of claim 2 wherein said brewer housing further includes a base section protruding forwardly from a lower end of said

rear section, said base section including means for supporting a coffee decanter.

4. The coffee brewer of claim 3 further including a heating element carried by said base section.

5. The coffee brewer of claim 2 wherein said control panel is mounted on said head section of said brewer housing.

6. The coffee brewer of claim 2 further including a slide rail carried by said head section for removably supporting said brewer basket.

7. The coffee brewer of claim 6 wherein said slide rail is formed on a plate-shaped rail unit, and further including a cap removably mounted onto said spray head for removably retaining said rail unit on said head section, said cap being removable from said spray head to permit removal of said rail unit from said head section for cleaning.

8. The coffee brewer of claim 1 further including a heating element for heating water within said reservoir.

9. The coffee brewer of claim 8 wherein said reservoir is insulated.

10. The coffee brewer of claim 8 further including a temperature sensor coupled to said controller for monitoring the temperature of water within said reservoir.

11. The coffee brewer of claim 10 wherein said control panel including indicator means for indicating that the temperature of water within said reservoir is suitable for brewing coffee.

12. The coffee brewer of claim 1 wherein said first coupling means comprises a water supply conduit connected between said reservoir and a water supply, an inlet valve mounted along said water supply conduit, and a float system for regulating said inlet valve to maintain the water level within said reservoir.

13. The coffee brewer of claim 1 wherein said second coupling means comprises a dispense conduit connected between said reservoir and said spray head, and a dispense valve mounted along said dispense conduit, said controller regulating said dispense valve in said set up calibration and normal operation modes.

14. The coffee brewer of claim 13 further including means for manually regulating said dispense valve for selectively dispensing water from said hot water reservoir.

15. The coffee brewer of claim 1 wherein said controller includes means for dispensing said selected volume of water plus a predetermined incremental additional volume of water in said normal operation mode.

16. The coffee brewer of claim 15 wherein said predetermined incremental additional volume of water comprises about 10% of said selected volume of water.

17. The coffee brewer of claim 1 wherein said controller includes, during said normal operation mode, first brew cycle means for dispensing said selected volume of water for a "full" brew cycle, and second brew cycle means for alternatively dispensing approximately one-half of said selected volume of water for a "half" brew cycle.

18. The coffee brewer of claim 17 further including first indicator means for indicating that said "full" brew cycle is in progress, and second indicator means for indicating that said "half" brew cycle is in progress.

19. The coffee brewer of claim 1 wherein said control panel includes means for interrupting said brew cycle means.

20. The coffee brewer of claim 1 further including an upwardly open decanter for receiving brewed coffee.

21. A coffee brewer, comprising:

a brewer housing;

a hot water reservoir carried by said housing;

first means for coupling said reservoir to a water supply, said first coupling means comprises a water supply conduit connected between said reservoir and a water supply, an inlet valve mounted along said water supply conduit, and a float system for regulating said inlet valve to maintain the water level within said reservoir;

a spray head carried by said housing;

second means for coupling said reservoir to said spray head, said second coupling means comprises a dispense conduit connected between said reservoir and said spray head, and a dispense valve mounted along said dispense conduit;

a brew basket for receiving a quantity of ground coffee and removably carried by said housing for receiving hot water from said spray head to produce brewed coffee for drip flow dispensing from said brew basket into an underlying, upwardly open decanter; and

a controller including a user-accessible control panel for operating the coffee brewer, and a memory logic;

said controller including a set up calibration mode having calibration means for regulating said dispense valve to initiate water flow from said reservoir and through said spray head for dispensing into an underlying

upwardly open vessel, and for terminating said water flow when a selected volume of water has been dispensed into the receptacle, and for storing said selected volume of water in said memory logic;

said controller further including a normal operation mode having brew cycle means for regulating said dispense valve to dispense said selected volume of water from said reservoir and through said spray head to produce brewed coffee.

22. The coffee brewer of claim 21 further including a slide rail carried by said head section for removably supporting said brewer basket.

23. The coffee brewer of claim 22 wherein said slide rail is formed on a plate-shaped rail unit, and further including a cap removably mounted onto said spray head for removably retaining said rail unit on said head section, said cap being removable from said spray head to permit removal of said rail unit from said head section for cleaning.

24. The coffee brewer of claim 21 wherein said reservoir is insulated, and further including a heating element for heating water within said reservoir.

25. The coffee brewer of claim 24 further including a temperature sensor coupled to said controller for monitoring the temperature of water within said reservoir.

26. The coffee brewer of claim 21 wherein said controller includes means for dispensing said selected volume of water plus a predetermined incremental additional volume of water in said normal operation mode.

27. The coffee brewer of claim 21 wherein said controller includes, during said normal operation mode, first brew cycle means for dispensing said selected volume of water for a "full" brew cycle, and second brew cycle

means for alternatively dispensing approximately one-half of said selected volume of water for a "half" brew cycle.

28. A coffee brewer, comprising:

- a brewer housing having an upstanding rear section, and a head section protruding forwardly from an upper end of said rear section;

- a hot water reservoir carried by said housing rear section;

- first means for coupling said reservoir to a water supply;

- a spray head carried by said housing head section generally at an underside surface thereof;

- second means for coupling said reservoir to said spray head;

- a plate-shaped rail unit including a slide rail;

- a cap removably connected to said spray head for removably retaining said rail unit generally at said underside surface of said head section; and

- a brew basket removably supported by said slide rail, said brew basket being for receiving a quantity of ground coffee and for receiving hot water from said spray head to produce brewed coffee for drip flow dispensing from said brew basket into an underlying, upwardly open decanter;

- said cap being removable from said spray head to permit removal of said rail unit from said head section for cleaning.

29. The coffee brewer of claim 28 wherein said second coupling means includes a dispense conduit, said spray head being removably mounted onto said dispense conduit.